**SMOOTH PROFILE COPPER FOIL ON BOTH SIDES WITHOUT BONDING TREATMENT.**

**TYPICAL SUBSTRATES**

Carbon/graphite coating.

**TYPICAL PROCESSES**

Designed for cylindrical, prismatic and pouch cell types.

**TYPICAL APPLICATIONS**

Used as current collector for the anode of Li-ion batteries.

**TYPICAL AVERAGE PROPERTIES***

<table>
<thead>
<tr>
<th>MEASUREMENTS</th>
<th>UNITS</th>
<th>PRODUCT GAUGE</th>
<th>SPECIFICATION</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Thickness</td>
<td>µm</td>
<td>6*</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Area Weight</td>
<td>g/m²</td>
<td>54</td>
<td>72</td>
<td>89</td>
</tr>
<tr>
<td>Drum Side Roughness (Ra)</td>
<td>µm</td>
<td></td>
<td>≤ 0.35</td>
<td></td>
</tr>
<tr>
<td>Drum Side Roughness (Rz)</td>
<td>µm</td>
<td></td>
<td>≤ 2.0</td>
<td></td>
</tr>
<tr>
<td>Electrolyte Side Roughness (Rz)</td>
<td>µm</td>
<td></td>
<td>≤ 2.0</td>
<td></td>
</tr>
<tr>
<td>Electrolyte Side Roughness (Rz)</td>
<td>µm</td>
<td></td>
<td>≤ 2.5</td>
<td></td>
</tr>
<tr>
<td>Tensile Strength Transverse (RT)</td>
<td>MPa</td>
<td></td>
<td>≥ 276 (≥ 40)</td>
<td>3.5.1</td>
</tr>
<tr>
<td>Tensile Strength Transverse after 10 min at 130 °C (RT)</td>
<td>MPa</td>
<td></td>
<td>≥ 276 (≥ 40)</td>
<td>3.5.1</td>
</tr>
<tr>
<td>Tensile Strength Transverse after 1h at 175 °C (RT)</td>
<td>MPa</td>
<td></td>
<td>≥ 276 (≥ 40)</td>
<td>3.5.1</td>
</tr>
<tr>
<td>Elongation Transverse (RT)</td>
<td>%</td>
<td></td>
<td>≥ 5</td>
<td>3.5.3</td>
</tr>
<tr>
<td>Elongation Transverse after 10 min at 130 °C (RT)</td>
<td>%</td>
<td></td>
<td>≥ 5</td>
<td>3.5.3</td>
</tr>
<tr>
<td>Elongation Transverse after 1h at 175 °C (RT)</td>
<td>%</td>
<td></td>
<td>≥ 5</td>
<td>3.5.3</td>
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<tr>
<td>Resistivity</td>
<td>Ωg/m²</td>
<td></td>
<td>≤ 0.181</td>
<td>3.8.1.2</td>
</tr>
<tr>
<td>Purity</td>
<td>%</td>
<td></td>
<td>≥ 99.9</td>
<td>3.8.1.1</td>
</tr>
</tbody>
</table>

* ALTERNATIVE Please also refer to SR-PLAINSTAINPROOF and HTS-PLAINSTAINPROOF datasheets.

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